



Lloyd's Register Technical Association

INDEX TO THE TRANSACTIONS

1920 – 1995

Compiled by

R. J. Hook and A. J. Williamson

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LLOYD'S REGISTER TECHNICAL ASSOCIATION

1920 – 1995

SEVENTY FIVE YEARS OF QUALITY

In his opening remarks at the inaugural meeting of the Technical Association (then called the Staff Association), Mr. W Watt the first President stated "With our meeting tonight we commence another chapter in the long and honourable history of Lloyd's Register, and I venture to think that in our Staff Association we will write a chapter which will hold its own with any that have gone before". The Lloyd's Register Technical Association (LRTA) has now been in existence for seventy five years and throughout that time has aspired to keep pace with developments which affect Lloyd's Register's business. The papers presented to the LRTA have primarily been for the benefit of LR's staff and distribution was limited to LR only. However, the papers' high quality and relevance to industry have made them highly sought after outside of LR and in recent years the papers have been written such that they may be distributed externally.

The importance of disseminating information to staff is recognised as being progressively more important today in the fast changing technical, commercial and political environment of LR's business. Surveyors and engineers are increasingly seen by those in industry as all round problem solvers rather than experts in a specific discipline. This requires them to have a knowledge of subjects outside their own discipline and to take a wider perspective of problems which they may be faced with. The LRTA papers are extremely valuable in providing a distilled view of a subject which can be used by staff for self development and reference.

Since the publication of the previous Index to the Transactions after the 1989-90 Session a further 33 papers have been published bringing the total number of papers included in the index to 390. These papers are representative of the work carried out by the various LR Departments and Outport offices. Although most of the papers published tend to be from HQ staff, the LRTA has always been keen to encourage participation from offices around the world since this promotes feedback on practical problems experienced in the field. The paper *Self Unloading Bulk Carriers of Gravity Discharge Type*, by Y S Yamashita, M Endo and M Fujiwara of Japan, in 1991/92 is a notable example.

The style and technical content of the papers have evolved over the years since the inauguration of the LRTA. An examination of the first papers published by the Association provides an insight into the development of the marine and shipbuilding industries and the type of work in which the Surveyors were involved in the early 1920's. As an example, the paper on plating and riveting, relates to a skill now lost to the shipbuilding industry; whilst the paper dealing with the storage and transfer of liquid fuel in ships relates to what was then, a new and developing aspect of marine engineering. Many of these early papers, although now dated, represented, at the time of their publication, the latest state of the art.

The titles of the papers published by the LRTA have closely reflected the work of LR with some of the early papers presenting an interesting insight into aspects of LR's brief involvement in the inspection and certification of aircraft in the 1920's and 30's. This trend has continued with the more recent papers representing the breadth and sophistication of the work currently being undertaken with

subjects ranging from the inspection of nuclear installations and well head equipment to the design and survey of steering gear and life saving appliances.

Technical papers generally fall into three basic categories:

- General interest
- Specialist
- Reference documents

General interest papers tend to outline the work of a particular Department or a set of Regulations. This type of paper is of interest to all members of the Technical Staff and helps to provide background knowledge relating to the workings of LR. *Specialist* papers on the other hand are aimed, as the title suggests, at specialist areas within LR and keeps the surveyor / engineer up to date on the developments currently underway within LR. The third category of papers are extremely useful to plan approval and outport staff and quickly become essential reference documents in the performance of LR's core businesses.

This 'Index to the Transactions' has been carefully compiled to assist any person seeking information and to easily identify relevant papers. The index is composed of four sub indices:

- Subject
- Title
- Author
- Chronological

The 'Title Index' and 'Author Index' are sorted alphabetically, whilst the 'Chronological Index' groups the papers into the Sessions in which they were published, and the order in which they were read. The allocation of a particular paper to one of the principal headings in the 'Subject Index' can be a difficult task and every effort has been made to ensure that all papers have been included under the appropriated heading. In view of the increased breadth of subjects covered in recent years the following subject headings have been included either as additional to those used in the previous Index or have been modified to reflect the subjects covered more appropriately in this document:

- Certification
- Computers & Software
- Formal Safety & Reliability Assessment
- Electrical Equipment
- Marine Engineering, Main and Auxiliary Systems.

As indicated above, the LRTA is continually changing to meet the needs of the surveyor or engineer as his role becomes ever more demanding. In line with Mr. Watt's forecast, the LRTA has gone from strength to strength and has now become an essential part of LR's framework to disseminate information to its Technical Staff world-wide. Maintaining the LRTA's high standards in future will require the continued support and co-operation of Technical Staff, both in Head Office and in the Outports.

As a final word, I should like to express our continued thanks to Mr. and Mrs. R J Hook who, during the period 1962 to 1985, took on the responsibility for the preparation and maintenance of this invaluable index. Without their assistance over the years such a comprehensive listing of papers as this would not be available.

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